

OPTIMAL BIT ALLOCATION SYSTEM FOR REED-SOLOMON CODED DATA

ABSTRACT OF THE DISCLOSURE

Apparatus and method for generating parameters used in coding data in a data transmission system. The method determines a number of possible coding parameters to satisfy a target coding gain and selects the best set of parameters that balance the code word length and the error rate. In this manner, a minimum coding gain may be used, which minimizes cross-talk on a transmission link.

PA 3177465 v1